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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 31 and 32 are canceled.

1.(original) A fuel oil additive which comprises an oil-soluble metal salt of organic acid of a general formula MR, where R is an organic acid radical and the corresponding organic acid is a C₁ – C₄₀ saturated or unsaturated fatty acid or polybasic carboxylic acid, naphthenic acid, aromatic acid or alkylphenol, M is a metal cation, metal complex ion or metal clathrate compound ion, and the corresponding metal is an alkali metal, alkali-earth metal, rare-earth metal, transition metal selected from zinc or titanium or main group metal selected from metal aluminum, gallium, germanium, indium, tin or antimony.

2.(original) A fuel oil additive as claimed in Claim 1, wherein the organic acid is a C₁ – C₂₅ saturated or unsaturated fatty acid, naphthenic acid, aromatic acid or alkylphenol.

3.(original) A fuel oil additive as claimed in Claim 2, wherein the organic acid is a C₁ – C₁₀ saturated or unsaturated fatty acid, naphthenic acid, aromatic acid or alkylphenol.

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4.(currently amended) A fuel oil additive as claimed in Claim 1, wherein the said organic acid is a saturated or unsaturated fatty acid or naphthenic acid, alkali metal is lithium, sodium, potassium, rubidium or cesium, and the corresponding cation is a monovalent ion.

5.(currently amended) A fuel oil additive as claimed in Claim 1, wherein the said metal is lithium, sodium, potassium, rubidium or cesium, and the corresponding cation is a monovalent ion, alkali-earth metal is beryllium, magnesium, calcium, strontium or barium, and the corresponding cation is a divalent ion.

6.(currently amended) A fuel oil additive as claimed in Claim 1, wherein the said alkali-earth metal is lithium, sodium, potassium, rubidium or cesium, and the corresponding cation is a monovalent ion, rear-earth metal is scandium, yttrium, lanthanum, cerium, praseodymium, neodymium, promethium, samarium, europium, gadolinium, terbium, dysprosium, holmium, erbium, thulium, ytterbium or lutetium, and the corresponding cation is a trivalent or tetravalent ion.

7.(currently amended) A fuel oil additive as claimed in Claim 6₁, wherein the said rear-earth metal is scandium, yttrium, lanthanum, cerium or neodymium, promethium, samarium, europium, gadolinium, terbium, dysprosium, holmium, erbium,

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thulium, ytterbium or lutetium, and the corresponding cation is a trivalent or tetravalent ion..

8.(currently amended) A fuel oil additive as claimed in Claim 47, wherein the said rear-earth metal is scandium, yttrium, lanthanum, cerium or neodymium. transition metal is titanium, zirconium, hafnium, niobium, tantalum, molybdenum, tungsten, ruthenium, osmium, cobalt, rhodium, iridium, nickel, palladium, platinum, silver, gold or zinc, and the corresponding cation is a mono-valent, divalent, trivalent or tetravalent ion.

9.(currently amended) A fuel oil additive as claimed in Claim 81, wherein the said metal is aluminum, gallium, germa-nium, indium, tin or antimony, and the corresponding cation is trivalent, tetravalent or pentavalent ion. transition metal is titanium, cobalt, nickel or zinc.

10.(currently amended) A fuel oil additive as claimed in Claim 1, which comprises one or more of said oil-soluble metal salts of organic acids, wherein the metal is aluminum, gallium, germa-nium, indium, tin or antimony, and the corresponding cation is a trivalent, tetravalent or pentavalent ion.

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11.(currently amended) A fuel oil additive as claimed in Claim 1, which also comprises an alcohol, ether, ketone, phenol, hydrocarbon, aldehyde or nitrogen-containing compounds, one or more of the oil-soluble metal salts of organic acids.

12.(currently amended) A fuel oil additive as claimed in Claim 1, wherein the aforesaid metal salt of organic acid originates from a saturated or unsaturated fatty acid or a compound formed by a naphthenic acid and an alkali metal cation or an alkali-earth metal cation, which also comprises an alcohol, ether, ketone, phenol, hydrocarbon, ester, aldehyde or nitrogen-containing compounds.

13.(currently amended) A fuel oil additive as claimed in Claim 1, which includes a gasoline additive, diesel oil additive, kerosene additive, heavy oil additive and a resid additive, any of the claims, wherein the aforesaid metal salt of organic acid originates from a saturated or unsaturated fatty acid or a compound formed by a naphthenic acid and an alkali metal cation or an alkali-earth metal cation.

14.(currently amended) A fuel oil additive as claimed in Claim 12, which includes a gasoline additive, diesel oil additive, kerosene additive, a heavy oil additive and resid additive, any of the claims, which includes a gasoline additive, diesel oil additive, kerosene, heavy oil additive and resid additive.

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15.(currently amended) Uses of a fuel oil additive as claimed in Claim 1 as
gasoline antiknock agent, fuel oil cleaning agent, fuel oil antifriction agent or fuel oil
anticorrosion additive.

~~any of the Claims 1 – 13 as gasoline antiknock agent, fuel oil cleaning agent, fuel
oil antifriction agent or fuel oil anticorrosion additive.~~

16.(currently amended) A gasoline antiknock agent which comprises an oil-
soluble metal salt of organic acid of a general formula MR, where R is an organic acid
radical and the corresponding organic acid is a C₁ – C₄₀ saturated or unsaturated fatty acid
or polybasic carboxylic acid, naphthenic acid, aromatic acid or alkylphenol, M is a metal
cation, a metal complex ion or a metal clathrate compound ion, and the corresponding
metal is an alkali metal, alkali-earth metal, rare-earth metal, transition metal selected
from zinc or titanium or main group metal selected from metal aluminum, gallium,
germanium, indium, tin or antimony.

17.(currently amended) A gasoline antiknock agent as claimed in Claim 16,
wherein the said organic acid is a C₁ – C₂₀ saturated or unsaturated fatty acid, naphthenic
acid, aromatic acid or alkylphenol.

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18.(currently amended) A gasoline antiknock agent as claimed in Claim 17, wherein the said organic acid is a C₁ – C₁₀ saturated or unsaturated fatty acid, a naphthenic acid, an aromatic acid or an alkylphenol.

19.(currently amended) A gasoline antiknock agent as claimed in Claim 16–18, wherein the said organic acid is a saturated or unsaturated fatty acid or naphthenic acid.

20.(currently amended) A gasoline antiknock agent as claimed in Claim 16, wherein the said alkali metal is lithium, sodium, potassium, rubidium or cesium, and the corresponding cation is a monovalent ion.

21.(currently amended) A gasoline antiknock agent as claimed in Claim 16, wherein the said alkali-earth metal is beryllium, magnesium, calcium, strontium or barium, and the corresponding cation is a divalent ion.

22.(currently amended) A gasoline antiknock agent as claimed in Claim 16, wherein the said rear-earth metal is scandium, yttrium, lanthanum, cerium, praseodymium, neodymium, promethium, samarium, europium, gadolinium, terbium, dysprosium, holmium, erbium, thulium, ytterbium or lutetium, and the corresponding

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cation is a trivalent or tetravalent ion (wrong words "divalent or trivalent ion" in the original claim, translator).

23.(currently amended) A gasoline antiknock agent as claimed in Claim 22, wherein the said rear-earth metal is scandium, yttrium, lanthanum, cerium or neodymium.

24.(currently amended) A gasoline antiknock agent as claimed in Claim 16, wherein the said metal is aluminum, gallium, germanium, indium, tin or antimony, and the corresponding cation is trivalent, tetravalent or pentavalent ion. transition metal is titanium, zirconium, hafnium, niobium, tantalum, molybdenum, tungsten, ruthenium, osmium, cobalt, rhodium, iridium, nickel, palladium, platinum, silver, gold or zinc, and the corresponding cation is a monovalent, divalent, trivalent or tetravalent ion.

25.(currently amended) A gasoline antiknock agent as claimed in Claim 2416, which comprises one or more of said oil-soluble metal salts of organic acids. wherein the transition metal is titanium, cobalt, nickel or zinc.

26.(currently amended) A gasoline antiknock agent as claimed in Claim 16, which also comprises an alcohol, ether, ketone, phenol, hydrocarbon, ester, aldehyde or nitrogen-containing compounds. wherein the metal is aluminum, gallium, germanium,

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~~indium, tin or antimony, and the corresponding cation is trivalent, tetravalent or pentavalent ion.~~

27.(currently amended) A gasoline antiknock agent as claimed in Claim 16, wherein the said metal salt of organic acid originates from a saturated or unsaturated fatty acid or a compound formed by a naphthenic acid and an alkali metal cation or an alkali-earth metal cation, which comprises one or more of the oil-soluble metal salts of organic acids.

28.(currently amended) A fuel oil product, wherein the fuel oil additive gasoline antiknock agent as claimed in Claim 16 is add, and the amount is 0.1 – 15 g of said metal salt of organic acid per liter of a fuel oil, which also comprises an alcohol, ether, ketone, phenol, hydrocarbon, ester, aldehyde or nitrogen-containing compounds.

29.(currently amended) A fuel oil product gasoline antiknock agent as claimed in Claims 2816, which is a gasoline product, wherein the metal salt of organic acid originates from a saturated or unsaturated fatty acid or a compound formed by a naphthenic acid and an alkali metal cation or an alkali-earth metal cation.

30.(currently amended) A gasoline product, fuel oil product, wherein the gasoline antiknock agent as claimed in Claim 16 is added, and the amount is 0.1 – 15 g of

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said metal salt of organic acid per liter of gasoline fuel oil additive as claimed in Claim 1
is added, and the amount is 0.1—15 g of the metal salt of organic acid per liter of the fuel
oil.